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## Patent Abstracts of Japan

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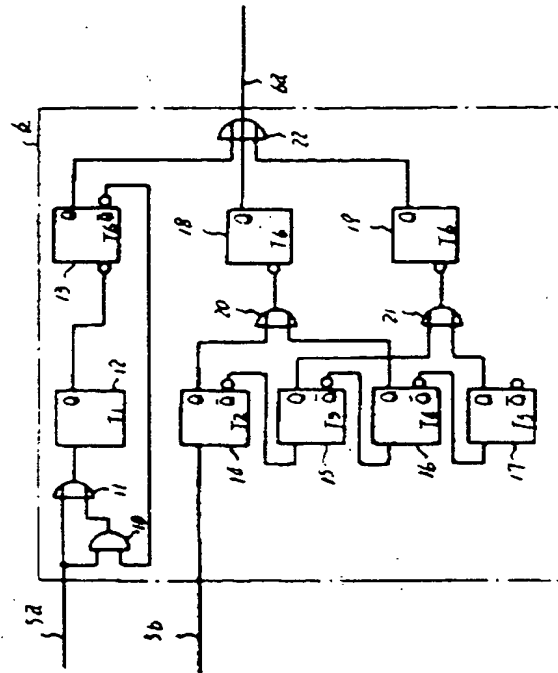
APPLICATION DATE : 06-07-79  
APPLICATION NUMBER : 54086258

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TITLE : CONTROLLING METHOD OF  
DECELERATION OF STEP MOTOR



ABSTRACT : PURPOSE: To simplify the component configuration of the step motor by decelerating the motor to a deceleration starting speed at the time of moving it at one space when decelerating the motor more than movements of two space and then decelerating it in a decelerating circuit in one space movement.

CONSTITUTION: A deceleration signal 5a from an acceleration and constant speed circuit 5 is applied through an OR gate 11 to a monomultivibrator 12 to trigger it to produce an output having a pulse width  $T_1$ . Then, a monomultivibrator 13 is triggered to produce an output having a pulse width  $T_6$  to become a deceleration drive signal 6a through an OR gate 22. On the other hand, the output from the output Q of the multivibrator 13 is applied through AND and OR gates 10, 11 to a monomultivibrator 12 to trigger it to produce an output having a pulse width  $(T_1+T_6)$ . Thereafter, it produces sequential deceleration drive signal 6a at equal interval pulse. The pulse interval of the pulse width  $(T_1+T_6)$  is decelerated in more than two lines, is controlled at the speed  $V_1$  starting decelerating one line feed, and the number of signals 6a is determined by the load and the inertia of the motor. In this manner, it can simplify the component configuration of the motor.

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